

**AMENDMENT OF ABSTRACT**

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File system is capable of performing long operations, such as deletions and truncations of long files, in a deterministic and atomic manner with regard to its recorded consistency points. The system includes both live filespace accessible to users, and user-inaccessible zombie filespace. In representative embodiments, the system includes a file deletion manager and a truncation manager capable of operating on files in the zombie filespace. Changes to the zombie filespace can be recorded in persistent memory. After a power failure or a similar event, the system can use the recorded changes to replay operations on the files in the zombie filespace, facilitating recovery. Zombie space can be sized dynamically, enabling the deletion manager to request enlargement of the zombie filespace. In some embodiments, files are transferred to the zombie filespace before links to the files' blocks in the live filespace are broken, and before performing operations on the files.

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**APPENDIX – NEW ABSTRACT**

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Technology Center 2100

Abstract of the Disclosure

File system is capable of performing long operations, such as deletions and truncations of long files, in a deterministic and atomic manner with regard to its recorded consistency points. The system includes both live filesystem accessible to users, and user-inaccessible zombie filesystem. In representative embodiments, the system includes a file deletion manager and a truncation manager capable of operating on files in the zombie filesystem. Changes to the zombie filesystem can be recorded in persistent memory. After a power failure or a similar event, the system can use the recorded changes to replay operations on the files in the zombie filesystem, facilitating recovery. Zombie space can be sized dynamically, enabling the deletion manager to request enlargement of the zombie filesystem. In some embodiments, files are transferred to the zombie filesystem before links to the files' blocks in the live filesystem are broken, and before performing operations on the files.